Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/26/2020 10:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124069	-1	2.74	124116	2.71
Blue	F	SSC	125000	124037	-1	1.57	124717	1.55
Blue	E	FITC	15892	15294	-4	2.94	332	21.50
Blue	D	PE	29999	29307	-3	1.95	636	15.43
Blue	B	PerCP-Cy5-5	43732	43268	-2	3.80	1169	21.55
Blue	A	PE-Cy7	30845	30986	0	6.40	588	43.86
Red	C	APC	46112	45405	-2	2.51	1603	12.13
Red	A	APC-Cy7	30458	29437	-4	2.32	777	12.05
Violet	B	V450	7918	7505	-6	4.04	428	13.08
Violet	A	V500	32171	31194	-4	3.81	731	10.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16870	15.68	642	21	N/A	N/A	Pass
Blue	F	SSC	57029	1.20	578	19	N/A	N/A	Pass
Blue	E	FITC	60	70.60	552	9	0.0179	201	Pass
Blue	D	PE	133	51.01	559	11	0.1422	241	Pass
Blue	B	PerCP-Cy5-5	214	51.74	667	11	0.0079	25	Pass
Blue	A	PE-Cy7	109	111.20	714	16	0.0096	24	Pass
Red	C	APC	383	25.32	590	6	0.0246	162	Pass
Red	A	APC-Cy7	171	28.83	560	4	0.0055	882	Pass
Violet	B	V450	64	61.96	466	8	0.0548	2480	Pass
Violet	A	V500	108	35.74	482	8	0.0240	1125	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.23	-31.83	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.44
Red	15.09	13.60 - 20.40	N/A	N/A	29.43	29.82	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 9623

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments